

What is claimed is:

1. A method for maintaining the accuracy of a clock, comprising the steps of:-

5

setting the clock time on a first occasion;

setting the clock time of on a second occasion; and

10 adjusting the time-keeping operation of the clock on the basis of the time which elapsed between the first and second occasions, and the difference in clock time just prior to the second occasion and as set on the second occasion.

15 2. A method as in Claim 1, wherein the clock comprises an oscillator and processing means for processing the signal from the oscillator on the basis of a timing parameter to produce an indication of clock time.

20 3. A method as in Claims 1 or 2, wherein the time-keeping operation of the clock is adjusted by re-tuning the frequency of the oscillator.

4. A method as in Claim 2, wherein the timing parameter of the processing means is adjusted.

25 5. A method as in any preceding claim, wherein the setting of the clock time is performed by the user.

30 6. A method as in any of Claims 1 to 5, when the clock forms part of the radio device, wherein clock time is set by a remote time reference via the radio interface of the radio device.

7. A clock suitable for a radio communication device comprising

time-setting means to set the clock time of the processing means; and

adjustment means for adjusting the time-keeping operation of the clock when
5 the clock time is reset.

8. A clock as in Claim 7, comprising an oscillator and processing means
to process the signal from the oscillator on the basis of a timing parameter to
produce an indication of clock time.

9. A clock as in Claims 7 or 8, wherein the adjustment means includes
means for re-tuning the oscillator.

10. A clock as in Claims 8 or 9, wherein the adjustment means is operable
15 to adjust the timing parameter.

11. A clock as in Claims 7 to 10, including means to adjust the time keep-
operation of the clock based on predictive models of the behaviour of the
components of the clock.

12. A portable radio communication device having a radio interface and
including a clock as in any of Claims 7 to 11, further comprising means for
obtaining an accurate time reference by which to set the clock time via the
radio interface.